

GST3 Rabbit mAb

Catalog # AP75522

Product Information

Primary Accession	P09211
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	23356

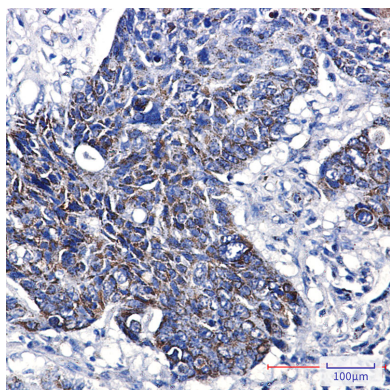
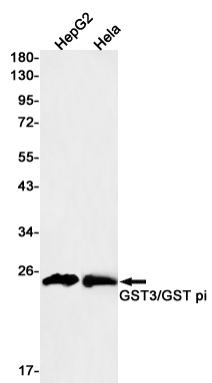
Additional Information

Gene ID	2950
Other Names	GSTP1
Format	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GSTP1 (HGNC:4638)
Synonyms	FAEES3, GST3
Function	Catalyzes conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed: 1540159 , PubMed: 1567427 , PubMed: 8433974). Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed: 9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed: 21046276). Acts as a negative regulator of ferroptosis by mediating glutathione conjugation and detoxification of 4-hydroxynonenal (4-HNE) reactive aldehyde (PubMed: 38016474). Negatively regulates CDK5 activity via p25/p35 translocation to prevent neurodegeneration (PubMed: 21668448).
Cellular Location	Cytoplasm. Mitochondrion. Nucleus. Note=The 83 N-terminal amino acids function as an uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization

Images



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